

## Certificate of Quality

**Product Name: X-Gluc**

5-Bromo-4-chloro-3-indoxyl- $\beta$ -D-glucuronic acid, cyclohexylammonium salt monohydrate.

Product Code: A4113 CAS #: 18656-96-7  
Grade: Biotechnology Formula: C14H13BrClNO7.C6H13N  
Appearance: White, crystalline powder MW: 521.8  
Reassay Date: 2 years after shipping date Lot#: See product label  
Storage: -20°C. Protect from moisture. Allow to come to room temperature before opening, avoid freeze-thaw cycles.

TEST	SPECIFICATION	RESULT
Purity (HPLC)	$\geq 99\%$	Passes
Turbidity (1% in DMF/water 1:1)	$\leq 4\text{NTU}$	Passes
Water Content (KF)	$\leq 4.5\%$	Passes
Specific Optical Rotation (-)	-91 - -87	Passes
Perchloric Acid Titration (0.1 mol/L)	99%-101%	Passes
FT-IR	Passes	Passes

Data Verified by M. He. Verification Date: 2020-01-06

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